

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application;

Listing of Claims:

1. (Previously Presented) System for adapting a conventional telephone line to a data and voice transmission local network comprising:

a device (1) for detecting hung up/picked up line, which provides a signal showing open or close line (7);

a device (2) for closing or opening the line (7), which provides the data to be transmitted;

a device (3) for detecting a conventional call;

an exterior connection module (4);

a power supply circuit (5);

control means (6);

and a communication protocol;

wherein said system uses the electrical power supply and buses from the analogical telephone line (7) itself without using an external power supply or independent wiring,

said control means (6), which on receiving a signal through the connection module (4) transmit a suitable signal to the device (2) for opening and closing the line (7), which transmits message data to be transmitted, while said control means (6) also receive the conventional call signals,

allows to transmit control protocol messages during the openings of the line (7) and without the telephone switchboard recognizing any dialing, and

wherein said communication protocol permits local communication with other systems similar to the system described herein and therefore the system may discern whether the communication received is for the equipment fitted with the system itself or for other equipment.

2. (canceled)

3. (New) The system of claim 1, wherein a network is created by connecting the system to a telephone jack without the need for a gateway module.